

CB1
CB1 1
CB2 1
LPA1 1
S1P1 1

CB1 Helix I
CB1 71 VPADQVNITTEFYNKLS.SFKENEENIQCGENFMDIECFMVLNPSQQLAIAVLSITLGTFTVLENLLVLC
CB2 1
LPA1 25
S1P1 20

CB1 Helix II Helix III
CB1 140 VILHSRSLRCRPSYHFIGSLAVADLGSVIFVYSFIDFHVFHRKDSRNVFLFKLGGVTAFTASVGSLLFL
CB2 57 LILSSHQLRRKPSYHFIGSLAGADFLASVVFACSFVNFHVFHGVDSKAVFLLKIGSVTMTFTASVGSLLL
LPA1 73 AIYVNRFRH.FPIYLMANLAADFFAGLAYFYLMFNTGPNTRRLTVSTWLLRQGLIDTSLTASVANLLA
S1P1 69 TIWKTKKFH.RPMYFIGNLALSDDLAVGAYTANLLLSGATTYKLTTPAQWFLREGSMFVALSASVFSLLA

CB1 Helix IV
CB1 210 TAIDRYISIHRLAYKRIVTRPKAVVAFCLMWTIAVI AVLPLLGWNC EKLQSV CSDFPHIDET YLMFW
CB2 127 TAIDRYLCLRYPPSYKALTRGRALVTLGIMWVLSALVSYLPLMGWTC.CPRP CSELPPIIPNDYLLSW
LPA1 142 IAIERHITVFR.MQLHTRMSNRRVVVVIVVITMALVMGALPISVGNVICDIENCSNMAPPYSDSYLVFV
S1P1 138 IAIERYITMLK.MKLHNGSNFRLLFLLSACWVISLILGGLPIMGWNCISALSSCSTVLPYHKHYILFC

CB1 Helix V Helix VI
CB1 280 IGVTSVLLFIVYAYMYILWKAHSHAVRM IQRGTKQSIIHT SEDGKVQVTRPDQARMDFRLAKTLVLLI
CB2 195 LLFIAPLFSGIYTYGHVLRKAHQHVASL SGHQDRQVPGMARMLDVR LAKTLGLVLL
LPA1 211 AIFNIVTFVVMVLYAHIFGYVRQRTMRM SRHSS.GPRRNDRDMMSLKTKTVIVL
S1P1 207 TTVFTLLLSIVILLYCRIYSLVTRTSRRL TFRKN.ISKASRSSEKSLAL LKTVIIVL

CB1 Helix VII Helix VIII
CB1 350 VVLIICWG PLLAIMVYDV.FGKMNKLTKTVFAFCSMLCLINSTVNPPIYALRSKDLRHAFRSMFPSC.E.
CB2 252 AVLLICWF PVLALMAHSL.ATTLSDQVKKAFACSMCLINSTVNPPIYALRSGEIRSSAHCLAHWK.E.
LPA1 265 GAFIICWTPGLVLLLDV.CCPQCDV LAYEKFFLLDAEFNSAMNPIIYSYRDKEMSATFRQILCCORSE
S1P1 263 SVFIACWA PLFILLLDVGCVKTCDI LFRAEYFLVAVLNSGTNPIIYTLTNKEMRRAIRIMSCCKCP

CB1
CB1 417
CB2 319
LPA1 333 NPTGPTEGSDRSASS
S1P1 333 SG